

Farm structure in Cyprus – 2005

One third of the agricultural holdings are specialised in fruit and citrus

This Statistics in Focus is part of a series of country-specific publications on the results of the Farm Structure Survey (FSS) 2005. It provides a brief but nevertheless comprehensive insight into the farm structure in Cyprus. A similar publication was issued in August 2005 presenting the results of the FSS 2003 in Cyprus.

* * *

In 2005 in Cyprus, about **29.9 thousand*** agricultural holdings had an economic size of at least 1 European Size Unit (ESU).

- These holdings employed 25.9 thousand AWUs (annual work units), the equivalent of 25.9 thousand persons working full time;
- they made use of about 142.1 thousand ha of agricultural area, which is on average **4.8 ha per holding** (compared to 5.2 ha in 2003).

Among these 29.9 thousand agricultural holdings

- 72% made use of less than one AWU, while 10% made use of 2 or more AWUs;
- 81% used less than 5 ha agricultural area, while 4% used 20 ha or more;
- 33% were holdings of the type special fruit and citrus fruit, 20% were holdings of various permanent crops combined, 10% were engaged in mixed cropping, 7% were general field cropping and 6% were specialist olives;
- 33% were producing mainly for their own consumption;
- 58% benefited from direct investment aid.

Among the 29.5 thousand sole holders

- 21% were women;
- 55% were aged 55 or more, and only 3% were younger than 35 years;
- 50% had another gainful activity as their major occupation.

Statistics in focus

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Agriculture

Authors

György BENOIST

PoI MARQUER

Contents

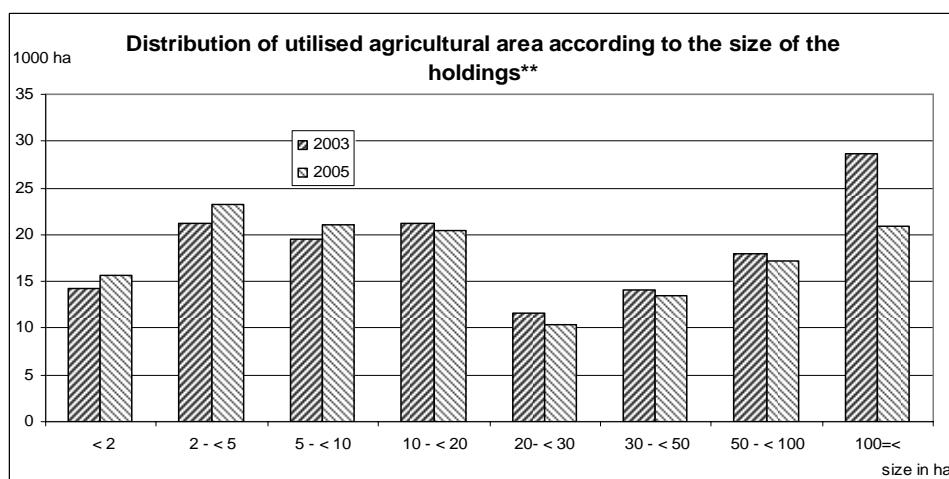
Table 1 – Labour force by size of the farms.....3

Table 2 – Agricultural holdings by size.....4

Table 3 – Land use by size of the farms.....5

Table 4 – Livestock by size of the farms.....6

Table 5 – Subsistence farming.7

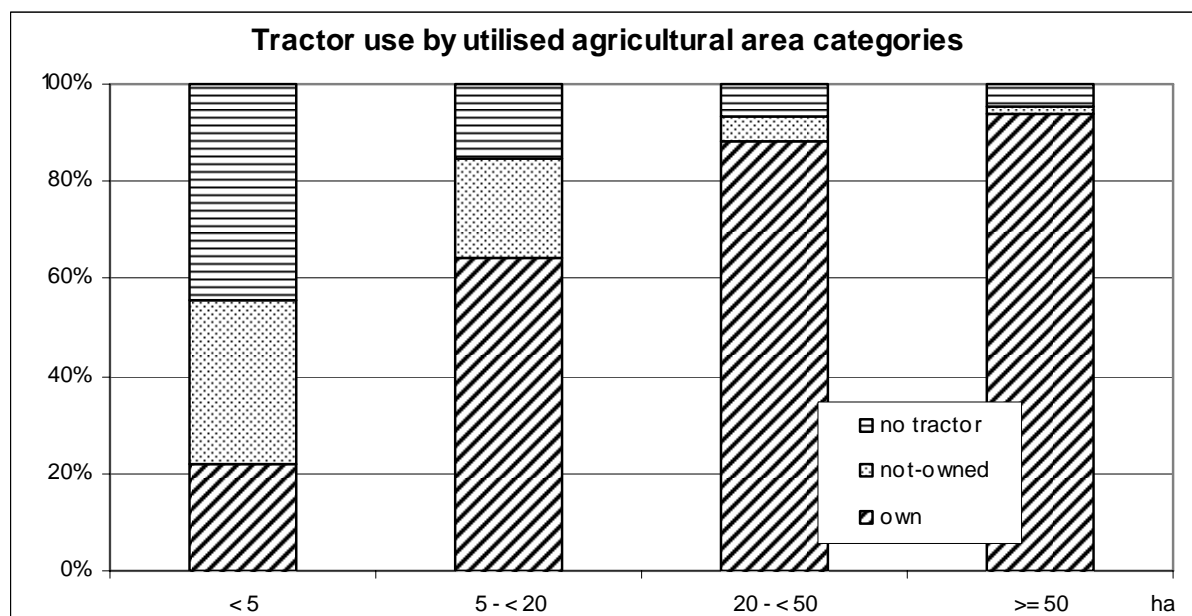
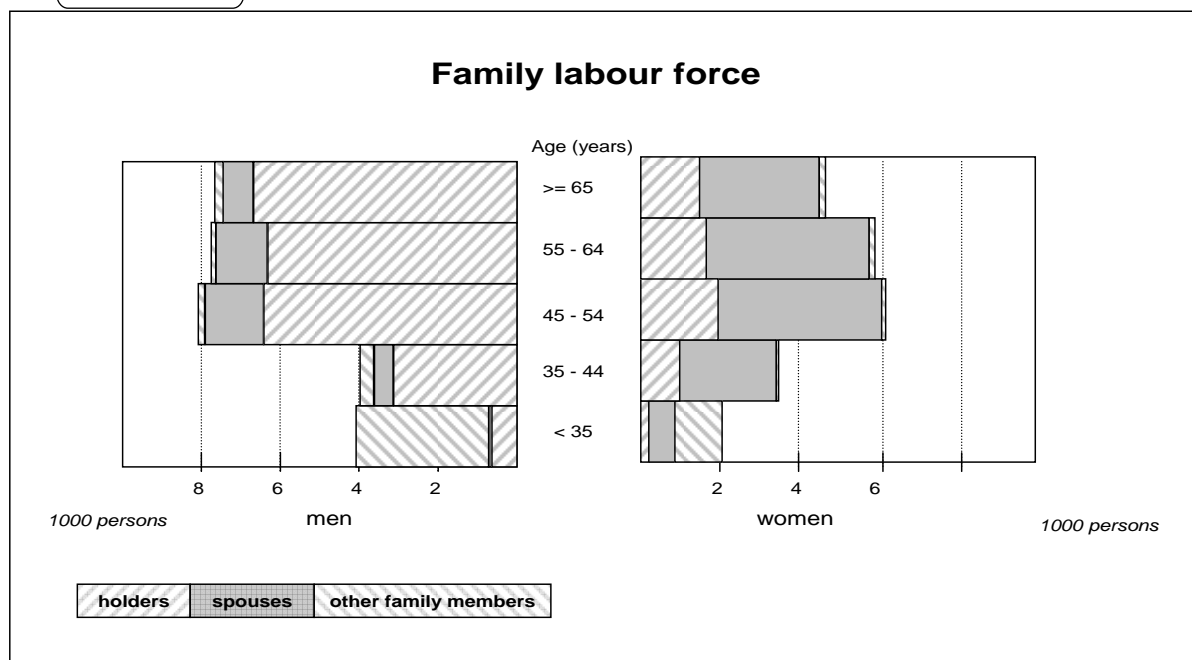
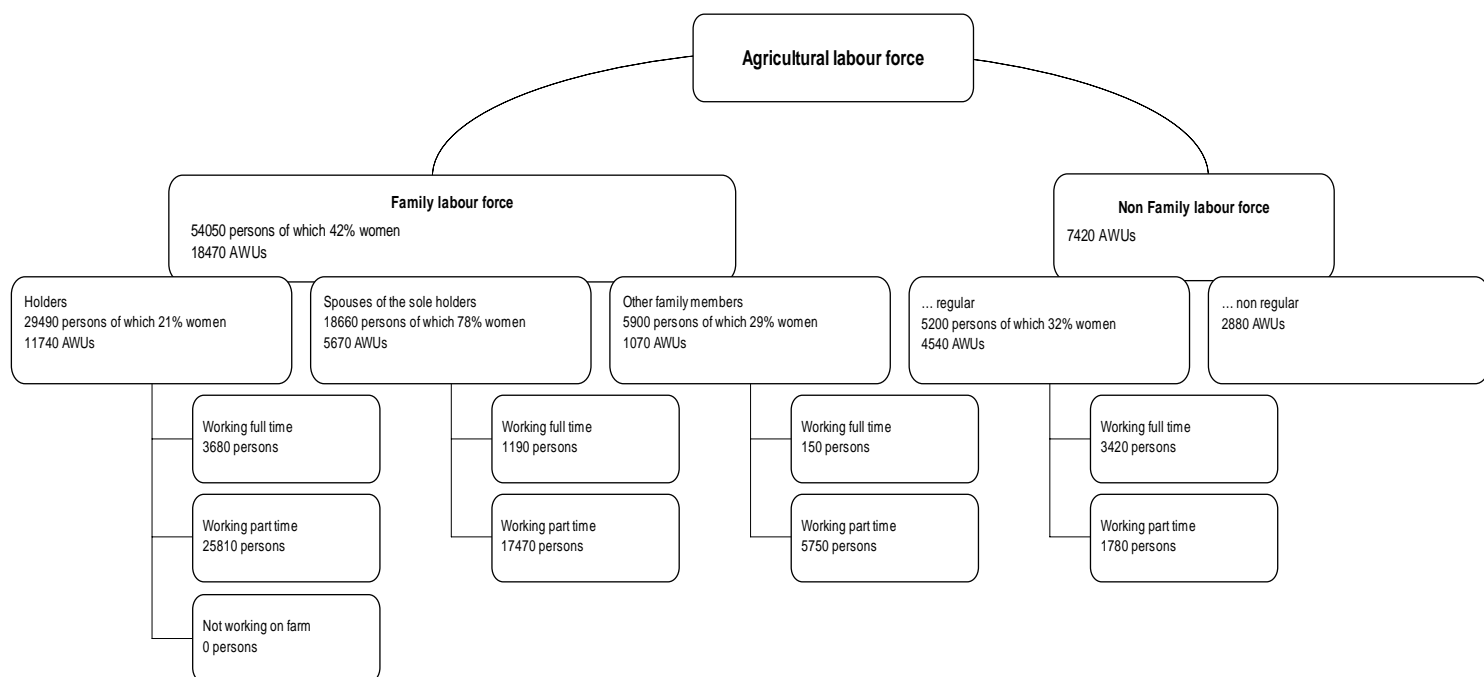


* Due to differences in the threshold across Member States, the total number of farms is not comparable between countries. This is why the present analysis, including Tables 1-4 and the graphs focus on holdings of at least one ESU. See methodological notes for more information on the concept of the ESU.

** In general, for larger holdings in Europe, the amount of utilised agricultural area has increased since 2003. In Cyprus, the opposite is the case, because there was a reduction in the amount of land rented out for agricultural purposes by the larger holdings.



Cyprus 2005 – Holdings of at least 1 ESU



Size of the farms	Agricultural area (ha)				All farms	Livestock (LU*)			
	< 5	5 - < 20	20 - < 50	50 = <		0	0 < - < 5	5 - < 50	50 = <
Total labour force									
1000 annual work units	16.5	6.6	1.7	1.1	25.9	13.8	6.5	3.0	2.5
Family labour force									
1000 persons	43.7	8.4	1.4	0.6	54.1	35.4	14.3	3.4	0.9
1000 annual work units	12.8	4.4	0.9	0.4	18.5	9.9	5.3	2.5	0.8
Non-family labour regularly employed									
1000 persons	2.2	1.6	0.8	0.6	5.2	2.4	0.7	0.4	1.7
1000 annual work units	1.9	1.4	0.7	0.6	4.5	2.0	0.5	0.3	1.7
Non regular non family labour force									
1000 annual work units	1.8	0.8	0.2	0.1	2.9	1.9	0.7	0.2	0.1
Holding managers (1000)	24.3	4.5	0.8	0.4	29.9	19.9	7.5	1.8	0.7
- women (%)	19.7	11.6	6.5	3.6	17.9	18.8	19.0	8.8	4.7
- part-time - under 50 % (%)	76.6	41.0	29.5	13.5	69.3	78.5	65.0	10.2	4.9
- 50 % and over(%)	15.8	26.0	13.7	16.8	17.3	14.3	23.4	28.2	8.2
- with a basic agricult. training only (%)	6.9	13.0	12.3	8.3	7.9	7.3	9.5	7.8	11.1
- with a full agricultural training (%)	0.8	0.7	0.4	1.7	0.8	1.0	0.1	0.0	1.7
Sole/main holders (1000)	24.0	4.4	0.7	0.3	29.5	19.8	7.5	1.8	0.5
- women (%)	23.5	13.2	7.5	3.6	21.4	22.4	22.4	10.0	5.2
- distribution by age (%)									
- under 35 years	2.8	2.6	6.3	5.9	2.9	2.9	1.8	6.0	5.8
- from 35 to 44 years	13.6	14.6	16.2	24.2	14.0	14.9	10.3	14.3	30.6
- from 45 to 54 years	27.9	29.5	35.3	34.3	28.4	28.7	25.9	34.0	35.3
- from 55 to 64 years	27.3	26.6	24.8	20.6	27.1	26.8	28.7	25.4	20.8
- 65 years and over	28.3	26.7	17.6	15.0	27.7	26.7	33.3	20.4	7.5
- part-time - under 50 % (%)	77.3	41.7	31.6	16.0	70.2	79.0	65.2	10.4	7.1
- 50 % and over(%)	16.0	26.4	14.7	19.9	17.5	14.4	23.5	28.8	11.9
- with another gainful activity ¹ (%)	53.7	38.4	28.2	18.9	50.4	55.2	45.4	29.4	9.4
- as main occupation	53.1	36.9	26.3	15.3	49.6	54.6	44.0	28.2	7.5
- as a subsidiary occupation	0.6	1.5	1.8	3.7	0.8	0.5	1.3	1.2	2.1
Spouse of sole holder working on the holding (1000)	15.2	2.9	0.4	0.2	18.7	11.9	5.3	1.2	0.3
- women (%)	75.5	88.2	92.1	93.7	78.0	75.8	79.6	89.4	91.5
- distribution by age (%)									
- under 35 years	3.8	4.9	6.5	8.2	4.1	4.2	3.5	4.3	12.7
- from 35 to 54 years	45.3	49.1	55.7	59.5	46.3	47.9	40.4	52.1	64.1
- 55 years and over	50.8	46.0	37.8	32.3	49.6	47.9	56.2	43.6	22.0
- part-time - under 50 % (%)	86.4	58.0	46.3	48.7	80.7	88.2	78.2	29.8	22.8
- 50 % and over(%)	10.3	24.0	27.2	20.3	12.9	9.1	16.2	33.6	25.5
- with another gainful activity (%)	42.3	25.8	16.9	12.7	38.9	44.6	33.3	14.1	6.6
Other members of the holder's family working on the holding (1000)	4.4	1.1	0.2	0.1	5.9	3.7	1.6	0.5	0.2
- women (%)	29.9	26.8	19.8	7.0	28.5	28.9	31.6	19.8	17.4
- part-time - under 50 % (%)	94.8	80.3	70.6	77.5	90.8	95.0	91.1	72.8	52.7
- 50 % and over(%)	4.2	13.6	19.3	9.3	6.6	3.7	6.9	20.2	24.9
- with another gainful activity (%)	45.8	47.3	40.6	47.3	46.0	46.2	46.8	46.1	34.3

Symbols : not available 0 less than half of the unit or nil

* LU = Livestock Unit

¹ Refers only to holders who are also farm managers.

Size of the farms	Agricultural area (ha)				All farms	Livestock (LU)			
	< 5	5 - < 20	20 - < 50	50 = <		0	0 < - < 5	5 - < 50	50 = <
Holdings									
- total number (1000)	24.3	4.5	0.8	0.4	29.9	19.9	7.5	1.8	0.7
- by legal personality of the holder (%)									
- sole holder	99.0	98.4	93.5	84.3	98.6	99.3	99.7	98.0	69.1
- legal person	1.0	1.6	6.5	15.7	1.4	0.7	0.3	1.9	30.9
- group holders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- by employed labour force (%)									
- under 1 AWU	80.5	40.3	29.4	19.0	72.4	81.3	69.6	12.4	1.0
- from 1 to less than 2 AWU	14.7	32.2	23.5	24.0	17.6	13.0	22.3	51.9	13.5
- from 2 to less than 3 AWU	3.3	17.7	22.7	15.7	6.1	3.1	5.7	30.2	33.2
- 3 AWU and over	1.6	9.8	24.5	41.0	3.9	2.6	2.5	5.5	52.0
- by economic size (%)									
- from 1 to less than 8 ESU	87.5	39.8	12.6	0.6	77.3	83.5	80.0	26.8	0.7
- from 8 to less than 16 ESU	8.1	24.2	19.2	4.7	10.8	8.9	11.2	32.8	3.2
- from 16 to less than 40 ESU	3.3	24.5	26.3	27.0	7.4	5.1	6.2	34.3	15.8
- from 40 to less than 100 ESU	0.8	10.1	30.9	34.4	3.4	1.9	2.3	5.6	53.3
- 100 ESU and over	0.3	1.5	10.9	33.3	1.2	0.7	0.3	0.4	26.7
- by farm type (%)									
- specialist fruit and citrus fruit	38.7	9.8	1.0	0.8	32.9	39.2	27.2	0.9	0.0
- various permanent crops combined	22.0	10.6	1.8	0.3	19.5	21.3	21.0	1.2	0.0
- mixed cropping	9.0	15.9	12.7	10.5	10.1	8.8	16.0	4.4	0.6
- general field cropping	4.1	16.2	19.9	16.5	6.5	7.2	6.2	2.3	0.3
- specialist olives	7.3	2.7	1.2	0.0	6.4	8.3	3.4	0.0	0.0
- other types of farming	18.9	44.7	63.5	71.9	24.6	15.3	26.3	91.2	99.1
- by farming methods (%)									
- organic farming	0.3	0.7	1.0	0.0	0.4	0.5	0.3	0.0	0.0
- irrigating	84.6	70.6	65.0	66.7	81.8	85.0	84.9	46.2	48.9
- with fixed irrigation equipment	80.2	60.9	53.5	51.0	76.3	79.4	79.9	41.1	39.7
- with crops under glass	1.9	3.6	2.7	4.1	2.2	2.0	3.3	0.6	0.4
- benefiting of direct investment aids	55.9	66.4	58.1	52.3	57.5	55.9	59.1	66.5	61.6
- using a tractor (%)									
- with their own tractor	21.9	64.1	88.2	93.7	30.8	26.8	33.1	51.9	68.5
- using a combine harvester (%)									
- with another gainful activity than agricultural production (%)									
- tourism	0.0	0.1	0.0	0.8	0.1	0.1	0.0	0.0	0.7
- handicraft	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
- processing of farm products	6.2	9.9	13.7	13.5	7.0	4.3	8.2	28.5	16.8
- wood processing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- aquaculture	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- renewable energy production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- contractual work	0.2	0.9	2.7	11.3	0.5	0.5	0.3	0.6	1.6
- other gainful activities n.a.e.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Symbols : not available 0 less than half of the unit or nil

Size of the farm (1000 ha)	Agricultural area (ha)				All farms	Livestock (LU)			
	< 5	5 - < 20	20 -< 50	50 =<		0	0 <- < 5	5 -< 50	50 =<
Area									
Total area of agricultural holdings	60.0	46.1	25.7	39.4	171.1	96.0	34.0	19.9	21.2
Other area	21.2	4.8	1.8	1.3	29.1	19.3	6.4	1.7	1.7
Wooded area	1.2	1.0	0.0	0.0	2.2	1.9	0.2	0.1	0.0
Agricultural area	38.7	41.4	23.9	38.1	142.1	76.7	27.7	18.2	19.5
Arable land	12.9	32.6	22.4	37.3	105.2	51.7	18.0	16.7	18.7
Cereals	3.5	12.8	9.4	21.2	46.9	28.1	7.9	5.9	4.9
<i>Common wheat and spelt</i>	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
<i>Durum wheat</i>	0.4	1.2	0.8	1.4	3.8	2.0	1.1	0.5	0.2
<i>Rye</i>	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0
<i>Barley</i>	3.0	11.4	8.3	19.3	42.0	25.6	6.5	5.2	4.6
<i>Oats</i>	0.0	0.1	0.2	0.4	0.7	0.3	0.2	0.1	0.1
<i>Grain maize</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dried pulses	0.2	0.3	0.3	0.3	1.0	0.5	0.3	0.2	0.1
Root crops	1.0	2.5	0.9	0.1	4.6	3.1	1.2	0.2	0.1
<i>Potatoes</i>	1.0	2.5	0.9	0.1	4.6	3.1	1.2	0.2	0.1
<i>Sugar beet</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Fodder root</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Industrial crops	0.1	0.2	0.1	0.0	0.4	0.3	0.1	0.0	0.0
<i>Tobacco</i>	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
<i>Hops</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Cotton</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Rape and turnip</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Sunflower</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Soya</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fresh vegetables, melons, strawberry	1.3	1.7	0.7	1.1	4.8	2.9	1.2	0.6	0.1
<i>outside</i>	1.1	1.6	0.6	1.1	4.5	2.7	1.1	0.6	0.1
<i>under glass</i>	0.2	0.1	0.0	0.0	0.3	0.2	0.1	0.0	0.0
Flower and ornamental plants	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
<i>outside</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>under glass</i>	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Forage plants	2.7	8.6	7.5	11.3	30.2	5.1	3.3	8.8	13.1
Fallow land	4.0	6.3	3.5	3.1	16.9	11.4	4.1	1.0	0.4
Kitchen garden	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Permanent pasture and meadows	0.1	0.2	0.1	0.0	0.4	0.0	0.0	0.2	0.2
Permanent crops	25.7	8.6	1.3	0.8	36.4	25.0	9.6	1.3	0.6
Fruit and berry plantation	7.1	1.7	0.1	0.1	9.0	6.3	2.5	0.2	0.1
Citrus plantation	2.8	1.2	0.3	0.1	4.4	3.1	1.1	0.1	0.0
Olive trees	8.0	2.1	0.5	0.3	10.9	7.6	2.7	0.4	0.2
Vineyard	7.2	3.2	0.2	0.2	10.9	7.1	3.1	0.4	0.3
Ratios									
Agricultural area per holding (ha)	1.6	9.2	30.6	105.0	4.8	3.9	3.7	10.1	28.0
Agricultural area... (%)									
... own farmed	82.0	49.9	24.6	10.9	43.9	53.9	53.0	21.0	13.1
... in less favoured or mountain area	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
... organic farmed	0.4	0.3	0.7	0.0	0.3	0.5	0.2	0.0	0.0
... irrigated	42.8	22.4	12.8	6.6	22.1	27.1	27.4	9.9	6.4

Symbols : not available 0 less than half of the unit or nil

Size of the farm	Agricultural area (ha)				All farms	Livestock (LU)		
	< 5	5 - < 20	20 - < 50	50 = <		0 < - < 5	5 - < 50	50 = <
Total livestock (1000 LU)	146.7	43.8	24.1	28.5	243.1	5.6	32.2	205.2
of which grazing (%)	14.5	73.7	95.0	86.6	41.6	46.6	94.4	33.1
Grazing livestock (1000 heads)								
Equidae	0.8	0.2	0.1	0.2	1.4	0.4	0.7	0.3
Bovine animals	3.3	12.8	15.9	27.1	59.1	0.1	0.7	58.4
Under 1 year	1.1	4.3	5.9	9.4	20.8	0.0	0.4	20.4
From 1 to less than 2 years	0.6	2.5	2.7	4.6	10.4	0.0	0.1	10.3
Dairy cows	1.4	5.0	6.6	11.2	24.2	0.0	0.1	24.1
Other cows	0.1	0.1	0.0	0.0	0.2	0.0	0.1	0.1
Other bovine animals 2 years and older	0.1	0.9	0.7	1.8	3.5	0.0	0.0	3.5
Sheep	62.6	116.0	56.5	18.8	253.9	6.1	136.9	110.9
Goats	118.3	112.1	57.3	28.8	316.3	16.4	157.7	142.2
Granivores								
Pigs (1000 heads)	370.9	35.0	4.2	13.4	423.5	0.6	2.5	420.4
Piglets < 20 kg	117.7	9.5	1.3	4.8	133.3	0.1	0.8	132.4
Breeding sows	46.3	4.7	0.7	2.0	53.7	0.1	0.6	53.0
Other pigs	206.9	20.8	2.3	6.7	236.6	0.4	1.2	235.0
Poultry (million heads)	3.9	0.3	0.0	0.1	4.3	0.2	0.1	4.0
Broilers	3.0	0.2	0.0	0.1	3.4	0.1	0.1	3.3
Laying hens	0.7	0.0	0.0	0.0	0.7	0.1	0.0	0.6
Other poultry	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.2
Rabbits, breeding females (1000 heads)	23.5	3.6	0.8	0.2	28.0	18.7	8.1	1.2
Beehives* (1000)	21.1	1.3	0.7	0.0	23.1	4.5	0.1	0.0
Average size of herds**								
Equidae (head/holding)	2.8	2.1	5.2	9.9	3.1	1.5	5.4	7.0
Cattle (head/holding)	70.7	120.6	241.3	334.5	196.4	2.6	14.4	251.7
Dairy cows (head/holding)	64.0	63.6	109.9	145.8	101.9	1.5	9.1	110.5
Other cows (head/holding)	10.8	3.9	3.2	10.0	6.4	2.0	3.8	18.3
Sheep (head/holding)	89.0	180.1	326.5	294.1	160.2	18.8	132.9	478.2
Goats (head/holding)	82.4	121.7	270.1	330.5	119.1	16.6	113.8	511.6
Pigs (head/holding)	1148.3	182.4	104.8	407.4	720.3	2.7	12.0	2532.7
Breeding sows (head/holding)	302.6	84.9	32.0	111.6	216.3	1.8	7.0	390.0
Other pigs > 20 kg (head/holding)	754.9	121.2	64.7	246.8	465.8	2.3	6.5	1556.5
Rabbits, breeding females (head/holding)	7.7	5.3	6.7	5.5	7.2	5.5	21.1	16.7
Laying hens (1000/holding)	0.1	0.0	0.0	0.0	0.1	0.0	0.0	3.1
Broilers (1000/holding)	1.3	0.4	0.0	2.4	1.1	0.0	0.2	25.0
Beehives (hive/holding)	106.3	45.9	81.8	:	98.2	55.0	10.1	7.0

Symbols : not available 0 less than half of the unit or nil

* Bees are not taken into account when calculating Livestock Unit, there are 133.5 thousand hives on holdings with 0 LU.

** Number of animals of a given livestock category per holding with this kind of animal.

		Absolute figures			% of total	
		Total	< 1 ESU	>= 1 ESU	< 1 ESU	>= 1 ESU
Regular labour force	(1000 persons)	83.7	24.5	59.3	29.2	70.8
Regular labour force	(1000 AWU)	25.4	2.4	23.0	9.5	90.4
Holders	(1000 persons)	44.7	15.2	29.5	34.1	65.9
... at least 65 years old		12.2	4.0	8.2	32.9	67.1
... having another gainful activity		23.0	8.9	14.1	38.7	61.3
Number of holdings	(1000)	45.2	15.3	29.9	33.8	66.2
... producing mainly for own consumption		15.8	8.2	7.6	51.7	48.3
... producing mainly for direct sales		5.0	1.0	4.0	20.5	79.5
... using a tractor		26.4	8.0	18.4	30.4	69.6
Standard Gross Margin (SGM)	(1000 ESU)	298.8	7.5	291.3	2.5	97.5
Agricultural area	(1000 ha)	151.5	9.4	142.1	6.2	93.8
... owned farmed		70.1	7.7	62.4	11.0	89.0
Livestock	(1000 LU)	243.9	0.8	243.1	0.3	99.7

Symbols : not available 0 less than half of the unit or nil

► METHODOLOGICAL NOTES

The survey on the structure of agricultural holdings in Cyprus was carried out between October 2005 and March 2006 using a combined method (exhaustive and sample survey). An agricultural census was previously conducted last time in 2003. The reference period of farm structure survey 2005 was from 1st October 2004 until 30 September 2005. However for livestock the reference date was 30th September 2005.

The target population was all agricultural holdings of the census 2003 recorded in the farm register. Agricultural holding is a technical-economical unit under single management and which is producing agricultural products. The holdings should have at least 0.05 ha agricultural area, or certain number of livestock (e.g. 1 cow, 2 bigger animals, 5 smaller animals, 50 poultry, 20 beehives). Holdings having at least an SGM of 19,200 euros were surveyed exhaustively, while the rest using a stratified random sampling. The latter units were stratified according to the type of farming and economic size. The total number of holding surveyed is 15,000.

For each activity ('enterprise') on a farm (for instance wheat, dairy cow or vineyard), a standard gross margin (SGM) is estimated, based on the area (or the number of heads) and a regional coefficient. The sum of such margins in a farm is its economic size, expressed in European Size Units (ESU). 1 ESU is equal to 1200 euros.

Each farm is classified in the community typology by its economic size and its type of farming, depending on the share of each enterprise in its economic size. For instance, a farm where breeding sows account for more than 2/3 of the economic size, is classified as *specialist pig rearing* (type 5011). Depending on the level of aggregation, farms are grouped into 8 to 70 types.

Annual work unit (AWU) is equivalent to a worker employed on a full time basis for one year. In Cyprus it is 2080 hours (260 working days of 8 working hours per day).

Livestock Unit (LU) is equivalent to a dairy cow. The number of animals (number of heads) is converted into LU using a set of coefficients reflecting the feed requirements of the different animal categories.

Subsistence farming refers here to all farms below 1 ESU economic size. Note that the number of farms cannot be compared between countries due to the differences in coverage of FSS.

► REFERENCE PUBLICATIONS

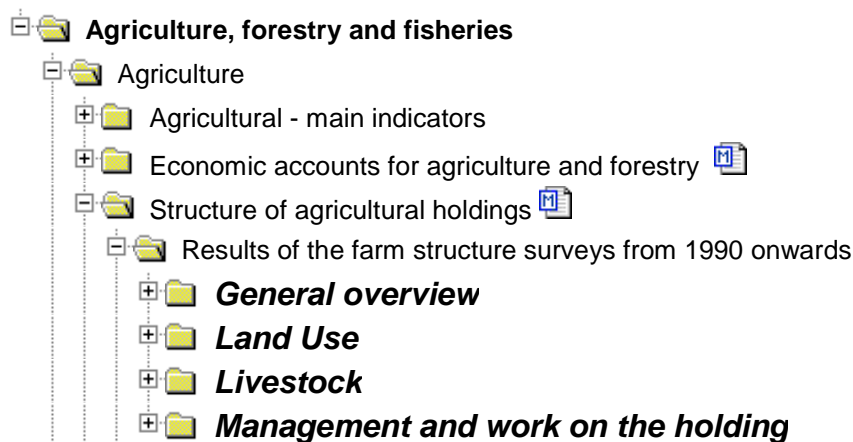
Results of the FSS 2005 are planned to be published in 2007, Statistical Service of the Republic of Cyprus, Nicosia

Website of the Statistical Service of the Republic of Cyprus: www.mof.gov.cy/mof/cystat

National Methodological Report – FSS 2005 (available on request)

Further information:

Data: [EUROSTAT Website/Theme: Agriculture and Fisheries/Data](#)



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